

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

Changes in Solicitation/Contract/Order Form

The issued by organization contact has been deleted.

The required performance has changed from Design and Construction of Aviation
Brigade Vehicle Maintenance Facility at Fort Drum, New York

This project is

unrestricted and open to all prospective bidders.

NAICS Code: 233320.

Contract

Specialist: Alan P. Link, (212) 264-4863.

Technical Manager: Liliana Jutting,
(212) 264-4671.

All work shall be in accordance with the drawings and
specifications or instructions attached within. to Design and Construction of
Aviation Brigade Vehicle Maintenance Facility at Fort Drum, New York

This project

is unrestricted and open to all prospective bidders.

NAICS Code:

233320.

Contract Specialist: Alan P. Link, (212) 264-4863.

Technical Man

Changes in Section SF 30

AMENDMENT NO. 3
AVIATION BRIGADE VEHICLE MAINTENANCE FACILITY
May 23, 2002
U. S. ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT
DACA51-02-R-0008

TO BIDDERS:

1: INCLUDED IN THIS AMENDMENT ARE TWO PAGES OF CONTRACTOR QUESTIONS THAT WERE INADVERTENTLY LEFT OUT OF AMENDMENT 2.

2: PROPOSAL DUE DATED HAS BEEN CHANGED TO 4 JUNE 2002 AT 1100.

SPECIFICATIONS

1. **SECTION 01010 - DESIGN REQUIREMENTS**

Page 47, paragraph "**7.5.1 DESIGN OBJECTIVES AND PROVISIONS**"

Add the following sentence to the end of the first paragraph of subparagraph 7.5.1.2. to read:

"Terminate two-hour rated enclosure at its entrance into the mechanic attic."

Add the following sentence to the end of the fifth paragraph of subparagraph 7.5.1.2. to read:

"Locate a carbon dioxide sensor at inlet of each air handling unit."

Page 70, article "**8.3 INTERIOR ELECTRICAL**"

In subparagraph 8.3.2.1, change "calculated demand" to read "connected" in the first sentence.

Page 80, article "**9.3 ADMINISTRATION AREA**"

Change subparagraph 9.3.4, 1. b. to read:

- b. Provide receptacles on dedicated circuits to one fax machine, one copier, and one printer.
Coordinate location during final design.

END OF AMENDMENT 3

DACA51-02-R-0008

AVIATION BRIGADE VEHICLE MAINTENANCE FACILITY

COMPANY NAME: ATRUIS BENHAM CONSTRUCTORSEMPLOYEE NAME: BILL ROSS

1/ Paragraph 7.1.5.2 of Section 01010 requires CO2 override of the economizer system controlled by a "CO2 gas detection and control system." Is it acceptable to use one representative space per system to monitor CO2 in, or are monitors required in every occupied space?

One representative space per system is acceptable

2/ Paragraph 7.1.5.2 of Section 01010 requires that interior refrigerant piping be concealed in 2-hour rated enclosures. Can refrigerant piping be routed exposed in the circulation area of the vehicle maintenance bays up to the attic space, and then be routed exposed in the attic which is vented to the outside? If the 2-hour enclosure is required, where is it to be terminated in the attic with respect to isolation valves, filter-driers, connection to the AHU, etc.? Provide 2-hour enclosure as specified. Terminate in attic space

3/ Paragraph 7.1.5.2 of Section 01010, page 49, requires a return air/exhaust fan on air handling systems. If system calculations show this fan is not needed due to low pressure loss in the return air path, will this fan still be required? Can a relief air fan be used in lieu of a return air fan? No, provide system specified.

4/ Paragraph 7.1.5.2 of Section 01010, page 47, requires the use of fan-powered VAV boxes in conditioned spaces. We would not normally use fan-powered boxes on such small systems with limited plenum areas. In addition, these boxes are more expensive, require 277V electrical connections and present noise problems in the occupied space. Is it acceptable to use standard VAV boxes in lieu of fan-powered boxes. Boxes would have minimum settings and the AHU supply air temp could be reset to avoid over cooling of low load spaces. Provide fan powered boxes as specified.

5/ Regarding the vehicle exhaust system:

What is the largest size of tailpipe to be connected to? See list provided by addendum

Are there any additional vehicle specifications available for what will be serviced in the bays? Available on web.

Is any type of automatic release system required for the hoses and adapters? See Spec Section 15940

6/ Is an automatic seismic shutoff valve required for the natural gas system? Yes, if required by code.

7/ Is there a minimum number of circuits required for the radiant floor heating system? Yes, minimum of one for each wheeled vehicle bay.

1.) Do we have the option of using a top running bridge crane? Section indicates underhung, spec appears to be open to interpretation. Could offer alternate. Reason being is top running offers higher hook HT. Thus lower building HT is possible. Should discuss W/A-B. No, under hung is required.

2.) Are interior columns acceptable at first floor to support the attic? If not attic will have to be clear span 62' joists which will be deep, thus a problem with ceiling clearance. Yes, Contractor Option.

3.) We will assume that lower floor corridor masonry partitions will be load bearing for second floor? Contractor Option

4.) ~~Plenum exhaust system~~

5.) Foundations for storage buildings - Not frost protected? Yes, Foundations are slab-on-grade for storage buildings

6.) Drwg #s A-40 and A-41 refer to metal roofing with "slip sheet and metal decking". So this is a 2 panel system on top of the purlins with no insulation? Contractors option as long as specifications and drawing parameters are in compliance.

7.) Slab design for vehicles - need list of types and weights of vehicles for structural and wear surface, (By A-B). List of vehicles serviced by this facility is provided

Please call with any questions.

Thank you.

by addendum. Refer to section 01010-6.3 for live loads

Request for Information

**Aviation Brigade Vehicle Maintenance Facility
Fort Drum, New York**

May 15, 2002

Turner/CHA/HSMOM

Fire Protection

1. No questions at this time.

Request for Information

Aviation Brigade Vehicle Maintenance Facility
Fort Drum, New York

May 15, 2002

Turner/CHA/HSMM

3. Section 01010, Paragraph 7.1.5.20.1 Direct Digital Controls: The DDC system for the new buildings are to be "completely compatible" with the existing base Trane Tracer Summit EMCS. Some control manufacturers of former proprietary DDC control systems, including Trane, have had some difficulty over the years in fully integrating their systems into an open protocol format such as BACNET. Please in the open protocol "completely compatible" with the existing Trane system. Please provide a description of the existing Tracer Summit software including dates installed, model type, generation of last updated versions.

See response to #4 below.

Or,

4. Section 01010, Paragraph 7.1.5.20.1 Direct Digital Controls: Is the Trane Tracer Summit to be considered the preferred and sole vender for DDC controls on this project? *Yes*

5. Section 01010, Paragraph 7.2.3.2. and Paragraph 7.2.3.4 Domestic Water Heating Systems/ Industrial Water System seem to indicate that domestic cold water is to be supplied to the Industrial Water System only. Is domestic hot water to be supplied also? *Cold water for industrial water system. Hot water not required for industrial water system.*
6. Are there any emergency shower/eyewash facilities required?
See section 01010 - 7.2.3.11

Electrical

1. 8.2.5 (page 69) requires the service conductors to be sized for 150% of the CONNECTED plus future load of the building. 8.3.2.1 (page 70) requires the service entrance conductors to be sized for 150% of the CONNECTED DEMAND load. Are the feeders, transformers, and service equipment to be sized at 150% of the connected load or 150% of the connected demand load?

Size per connected load.

2. RFP Section 01010, Page 98, 9.17.3 (2) (a) Please clarify what is wanted. This appears to require a quad receptacle powered by 15 M of SO cord on a reel. Does this conflict with 9.17.3 (2) (b)? *Provide quad receptacle powered from Panel. Cord is on reel to be plugged into receptacle.*
3. RFP Section 01010, Page 80, 9.3.4 (1) (b) The Mechanical section 7.1.4.1 (2)(e)(1-3) provides electrical load information for computers, printers, and copiers, but does not mention fax machines. Please provide numbers of fax machines, connected load, and where located.

7.1.4.1 is for sizing cooling system only. 9.3.4(1)(b) is for Admin Area equipment. One Fax, one copier, and one printer per office area. Coordinate location during final design.